

Summary statistics - quantitative results

(Groups: manufacturer of kit)

Filter: minimal size of groups n = 5

EQA round: IFT2/17 - Immunophenotypisation

Dead line: 30.10.2017

RoM = robust average	AV = assigned value	Dmax = acceptable percent difference
SD = standard deviation	CRV = certified reference value	LL = lower limit
CV = coefficient of variation	RV = reference value	UL = upper limit
Ntot = total number of participants	CVE = consensus value from experts	Neva = number of evaluated participants
Nout = number of results excluded before calculation	CVP = consensus value from all participants	Nsuc = number of successful participants
	CVPG = consensus value from participants groups	Srel = success (relative)
	U _{AV} = expanded uncertainty of the assigned value (k = 2)	

Test	[unit]	Comparability					Comparability							
		RoM	SD	CV [%]	N _{tot}	N _{out}	AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}
(253) CD 3+ T lymphocytes					100							100	82	82%
Samples and groups	[%]													
Sample A		53,5	1,7	3,2	100	CVP	53,5	0,42	7%	49,7	57,3	100	84	84%
(12) Beckman Coulter		53,7	1,6	3,0	52	0						52		
(36) Immunotech		55,2	1,4	2,6	6	0						6		
(88) Becton Dickinson		53,3	1,4	2,6	31	0						31		
(190) Exbio Praha		51,8	4,2	8,0	7	0						7		
Other					4	0						4		
							1x 28, 1x 207, 2x 999							
Sample B		71,3	1,8	2,5	100	CVP	71,3	0,44	7%	66,3	76,3	100	96	96%
(12) Beckman Coulter		71,2	1,6	2,2	52	0						52		
(36) Immunotech		72,1	0,82	1,1	6	0						6		
(88) Becton Dickinson		71,3	1,9	2,7	31	0						31		
(190) Exbio Praha		71,8	1,8	2,5	7	0						7		
Other					4	0						4		
							1x 28, 1x 207, 2x 999							
(254) CD 4+ T lymphocytes					100							100	88	88%
Samples and groups	[%]													
Sample A		38,2	1,7	4,5	100	CVP	38,2	0,42	10%	34,3	42,1	100	90	90%
(12) Beckman Coulter		38,4	1,8	4,7	53	0						53		
(36) Immunotech		38,4	1,6	4,1	6	0						6		
(88) Becton Dickinson		38,2	1,3	3,5	33	0						33		
(190) Exbio Praha		36,4	3,9	11	6	0						6		
Other					2	0						2		
							2x 999							
Sample B		46,7	1,5	3,3	100	CVP	46,7	0,38	10%	42	51,4	100	95	95%
(12) Beckman Coulter		46,9	1,2	2,6	53	0						53		
(36) Immunotech		47,7	0,30	0,62	6	0						6		
(88) Becton Dickinson		46,5	1,9	4,0	33	0						33		
(190) Exbio Praha		45,8	1,9	4,2	6	0						6		
Other					2	0						2		
							2x 999							
(255) CD 8+ T lymphocytes					100							100	88	88%
Samples and groups	[%]													
Sample A		13,7	0,93	6,8	100	CVP	13,7	0,23	17%	11,3	16,1	100	92	92%
(12) Beckman Coulter		13,7	0,79	5,8	53	0						53		
(36) Immunotech		14,5	1,2	8,2	6	0						6		
(88) Becton Dickinson		13,7	1,1	8,0	31	0						31		
(190) Exbio Praha		13,2	1,7	13	6	0						6		
Other					4	0						4		
							1x 28, 3x 999							
Sample B		20,0	1,5	7,3	100	CVP	20	0,36	17%	16,6	23,4	100	94	94%
(12) Beckman Coulter		19,6	1,2	6,2	53	0						53		
(36) Immunotech		20,2	2,2	11	6	0						6		
(88) Becton Dickinson		20,4	1,6	7,7	31	0						31		
(190) Exbio Praha		20,2	1,2	5,9	6	0						6		
Other					4	0						4		
							1x 28, 3x 999							
(256) B lymphocytes					100							100	83	83%
Samples and groups	[%]													
Sample A		2,95	0,46	16	100	CVP	2,95	0,11	30%	2,06	3,84	100	87	87%
(12) Beckman Coulter		2,84	0,51	18	56	0						56		
(36) Immunotech		3,20	0,59	19	8	0						8		
(88) Becton Dickinson		3,06	0,38	12	29	0						29		
(190) Exbio Praha		3,02	0,47	15	7	0						7		
Sample B		12,9	1,2	9,2	100	CVP	12,9	0,29	30%	9,03	16,8	100	93	93%
(12) Beckman Coulter		12,5	1,4	11	56	0						56		
(36) Immunotech		14,0	0,74	5,3	8	0						8		
(88) Becton Dickinson		13,2	0,83	6,3	29	0						29		
(190) Exbio Praha		13,3	0,89	6,7	7	0						7		
							1x 28, 3x 999							
(257) NK cells					100							100	94	94%
Samples and groups	[%]													
Sample A		42,3	2,2	5,1	100	CVP	42,3	0,53	26%	31,3	53,3	100	98	98%
(12) Beckman Coulter		42,0	2,1	5,0	53	0						53		
(36) Immunotech		41,7	1,9	4,4	7	0						7		
(88) Becton Dickinson		42,5	2,1	5,0	32	0						32		

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Test	[unit]	RoM	SD	CV [%]	N _{tot}	N _{out}	Comparability								
							AV	U _{AV}	D _{max}	LL	UL	N _{eva}	N _{suc}	S _{rel}	
(257) NK cells					100							100	94	94%	
----- Samples and groups -----	----- [%] -----														
Sample A		42,3	2,2	5,1	100		CVP	42,3	0,53	26%	31,3	53,3	100	98	98%
(190) Exbio Praha		44,7	5,3	12	6	0							6		
Other					2	0							2		
							2x 999								
Sample B		13,7	1,5	11	100		CVP	13,7	0,37	26%	10,1	17,3	100	94	94%
(12) Beckman Coulter		13,5	1,4	10	53	0							53		
(36) Immunotech		12,4	0,82	6,6	7	0							7		
(88) Becton Dickinson		14,2	1,5	11	32	0							32		
(190) Exbio Praha		13,7	0,67	4,9	6	0							6		
Other					2	0							2		
							2x 999								

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End of report

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